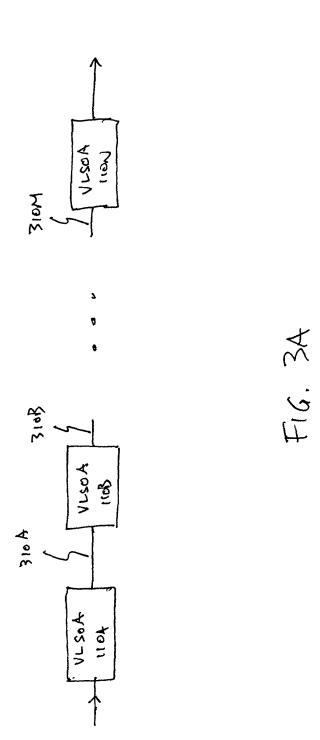


F(G, 2B

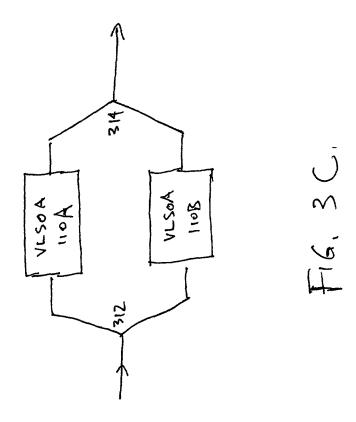


M. S. C.

Integrated optical device including a vertical lasing semiconductor optical amplifier; Inventors: JEFFREY D. WALKER et al.; Docket No.: 21153-04920



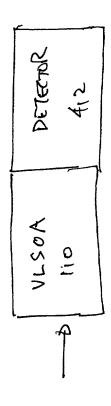
F16. 3B



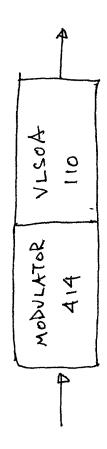
Integrated optical device including a vertical lasing semiconductor optical amplifier; Inventors: JEFFREY D. WALKER et al.; Docket No.: 21153-04920

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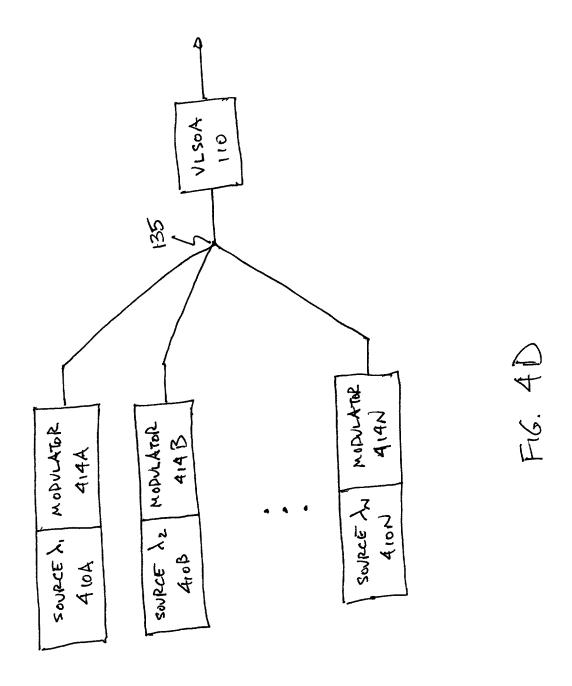
F16. 4



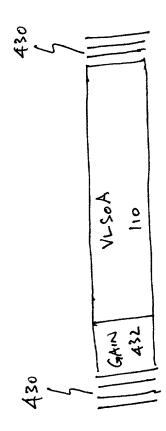
F16. 4B



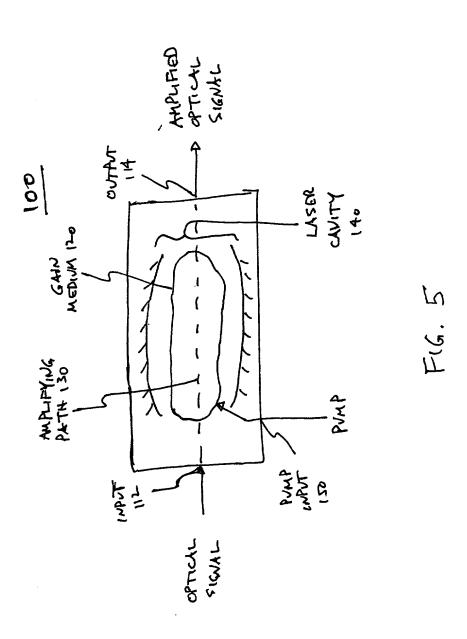
F1G. 4



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F16. 46



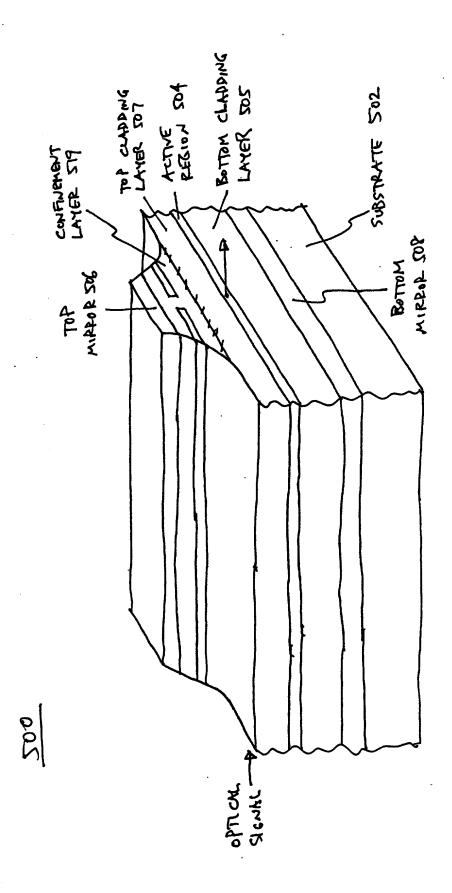
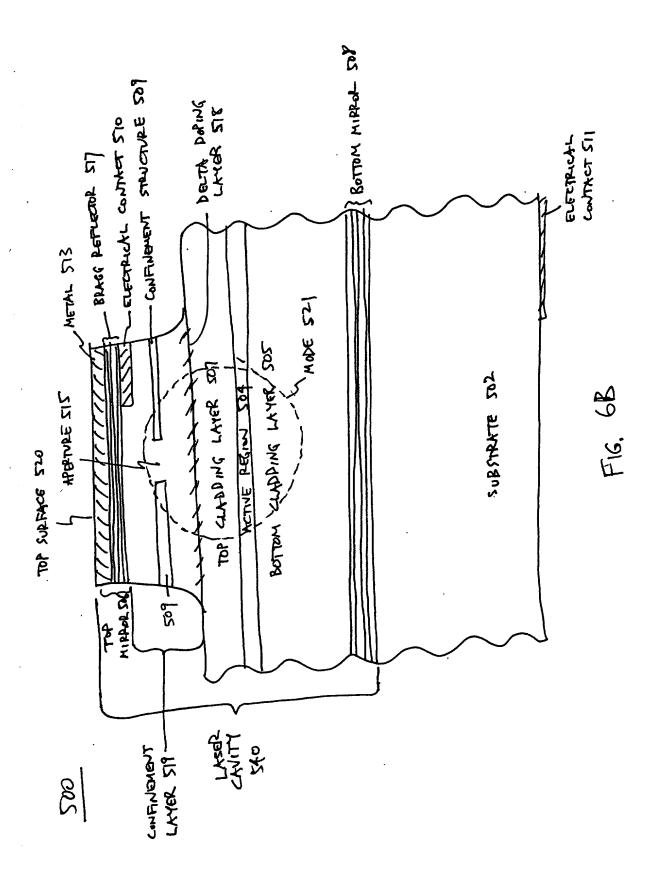
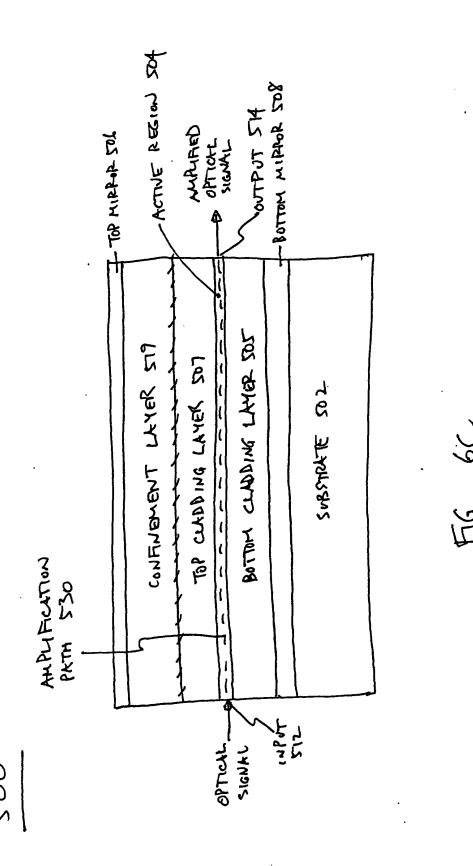


FIG. 6A





•••	TOP CLAPBING ULYER SOT ACTIVE PERION 504	BOTTOM CLADDING LAYER SOS	SUBSTRATE 502	4-1-4 VLSOA 720	F16. 7
	TOP CLADDING LAYER TOT	BOTTOM CLABBING LAYER TOS	COMMON	WAVE GVIDE 710	

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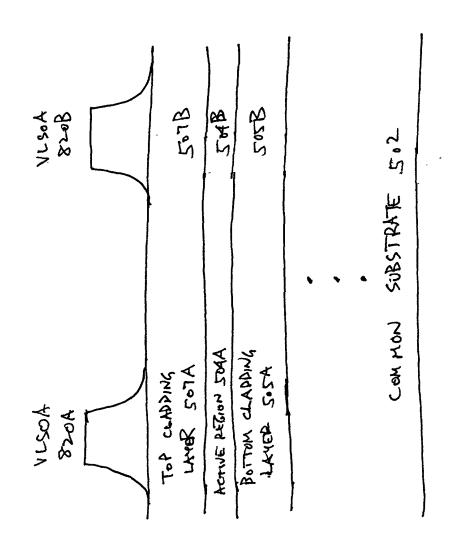
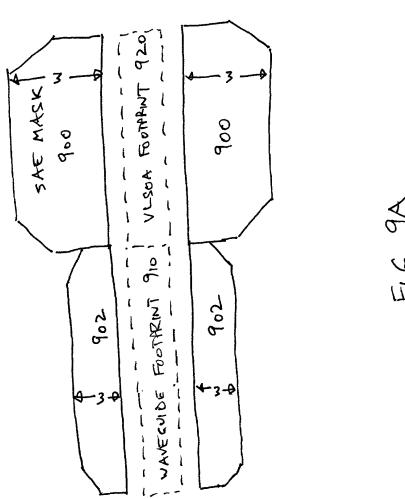
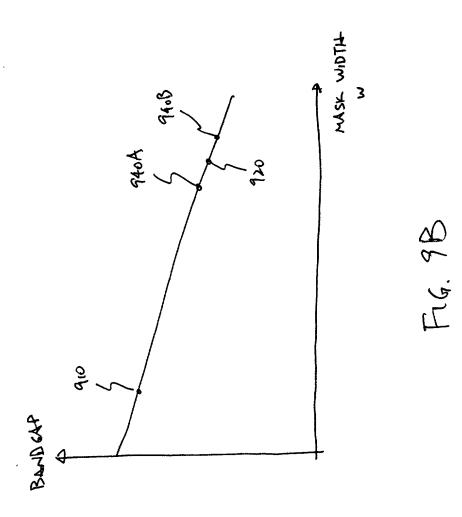
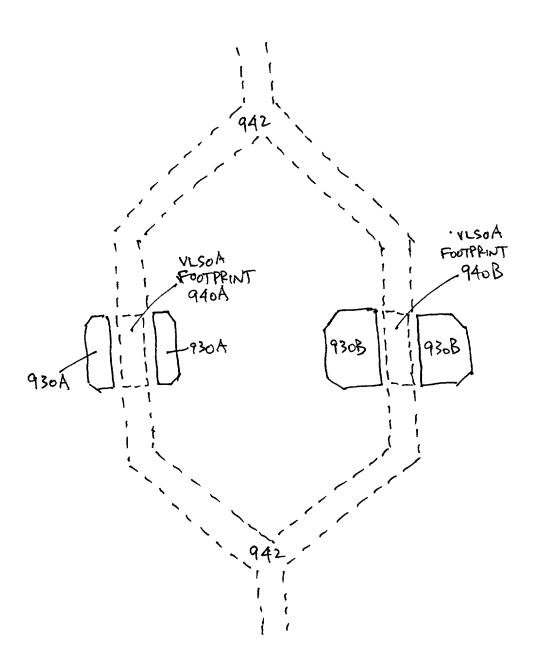


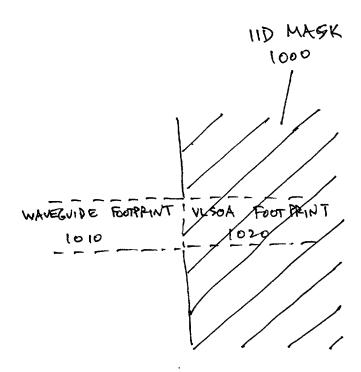
FIG &







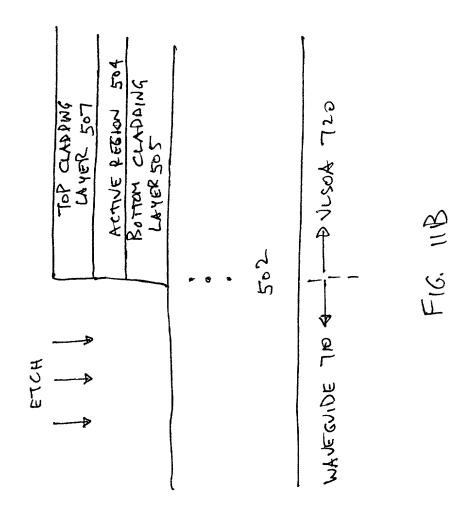
F16. 9C



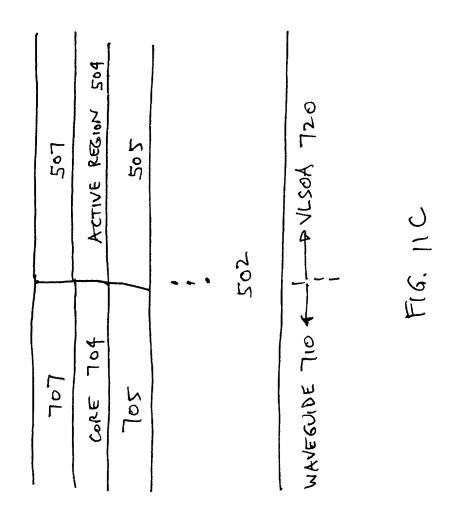
F16.10

TOP CLAPPING LAYER 507	ACTIVE REGION 504	BOTTOM CLADDING LATER 505		COMMON SUBSTRATE SOZ	WANECUIDE TIO 4 1 D VLSOA 72 0	F1G. 11A
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WALKER et al.; Docket No.: 21153-04920



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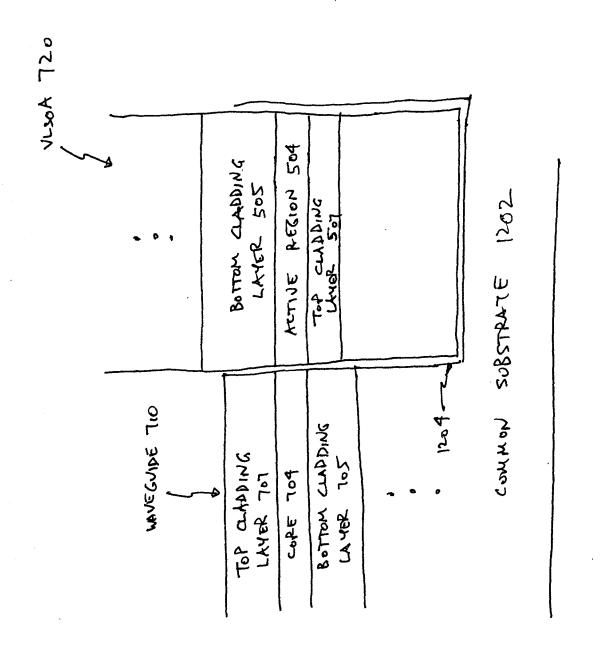


FIG. 12

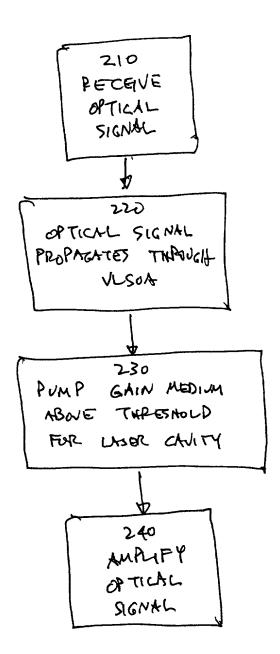


FIG. 13